

Title (en)
METHODS AND SYSTEMS FOR A MEDICAL GAS DELIVERY MODULE

Title (de)
VERFAHREN UND SYSTEME FÜR EIN MEDIZINISCHES GASZUFUHRMODUL

Title (fr)
PROCÉDÉS ET SYSTÈMES DESTINÉS À UN MODULE DE DISTRIBUTION DE GAZ MÉDICAL

Publication
EP 3894737 A1 20211020 (EN)

Application
EP 19836276 A 20191211

Priority
• US 201816218370 A 20181212
• US 2019065628 W 20191211

Abstract (en)
[origin: US2020188624A1] Various methods and systems are provided for controlling a supply of medical gas to a gas delivery system, such as an anesthesia machine, via a medical gas delivery module. In one example, a method includes supplying a medical gas from a pipeline gas supply source to a gas delivery system via a first conduit, measuring a quality of the medical gas in the first conduit, comparing the measured quality to an allowable range, switching to an alternative gas supply source for supplying the medical gas to the gas delivery system and communicating a pipeline gas supply fault in response to the measured quality being outside of the allowable range, and continuing supplying the medical gas to the gas delivery system from the pipeline gas supply source in response to the measured quality being inside of the allowable range.

IPC 8 full level
F17D 1/04 (2006.01); **F17D 3/01** (2006.01); **F17D 3/18** (2006.01)

CPC (source: EP US)
A61M 16/0051 (2013.01 - US); **A61M 16/024** (2017.07 - US); **A61M 16/1015** (2014.02 - US); **A61M 16/104** (2013.01 - US);
A61M 16/12 (2013.01 - US); **F17D 1/04** (2013.01 - EP US); **F17D 3/01** (2013.01 - EP US); **F17D 3/18** (2013.01 - EP US);
A61M 2016/0027 (2013.01 - US); **A61M 2016/1035** (2013.01 - US); **A61M 2202/0208** (2013.01 - US); **A61M 2202/0225** (2013.01 - US);
A61M 2202/0283 (2013.01 - US); **F17C 2270/02** (2013.01 - EP); **F17C 2270/025** (2013.01 - EP)

Citation (search report)
See references of WO 2020123594A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11596759 B2 20230307; **US 2020188624 A1 20200618**; CN 113195965 A 20210730; CN 113195965 B 20230822; EP 3894737 A1 20211020;
WO 2020123594 A1 20200618

DOCDB simple family (application)
US 201816218370 A 20181212; CN 201980081632 A 20191211; EP 19836276 A 20191211; US 2019065628 W 20191211